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| Substitute for Form<br>PTO-1230<br><b>TRANSMITTAL LETTER TO THE UNITED STATES<br/>DESIGNATED/ELECTED OFFICE (DO/EO/US)<br/>CONCERNING A FILING UNDER 35 U.S.C. 371</b>  |  | U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE<br><br>ATTORNEY'S DOCKET NUMBER<br>034382-005 |
| INTERNATIONAL APPLICATION NO.<br>PCT/FI2004/000225  |  | U.S. APPLICATION NO. (If known, see 37 CFR 1.5)<br><b>10/552727</b>                                   |
| INTERNATIONAL FILING DATE<br>13 April 2004 (13.04.2004)   |  | PRIORITY DATE CLAIMED<br>11 April 2003 (11.04.2003)   |
| TITLE OF INVENTION<br><br>METHOD AND APPARATUS TO CONTROL A SHIP  |  |   |
| APPLICANT(S) FOR DO/EO/US<br>KORHONEN, Vesa; PAKASTE, Risto; RUOHONEN, Antti; SULLSTRÖM, Petri; VIROLAINEN, Panu; ÄMMÄLÄ, Petteri; and LEHTI, Matti   |  |   |
| Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:   |  |   |
| <ol style="list-style-type: none"> <li><input checked="" type="checkbox"/> This is a <b>FIRST</b> submission to items concerning a filing under 35 U.S.C. 371.</li> <li><input type="checkbox"/> This is a <b>SECOND</b> or <b>SUBSEQUENT</b> submission of items concerning a filing under 35 U.S.C. 371.</li> <li><input type="checkbox"/> This is an express request to begin national examination procedures (35 U.S.C. 371(f)). The submission must include items (5), (6), (9) and (22) indicated below.</li> <li><input type="checkbox"/> The US has been elected by the expiration of 19 months from the priority date (Article 31).</li> <li><input checked="" type="checkbox"/> A copy of the International Application as filed (35 U.S.C. 371(c)(2))             <ol style="list-style-type: none"> <li>a. <input checked="" type="checkbox"/> is attached hereto (required only if not communicated by the International Bureau).</li> <li>b. <input type="checkbox"/> has been communicated by the International Bureau.</li> <li>c. <input type="checkbox"/> is not required, as the application was filed in the United States Receiving Office (RO/US).</li> </ol> </li> <li><input checked="" type="checkbox"/> An English language translation of the International Application as filed (35 U.S.C. 371(c)(2))             <ol style="list-style-type: none"> <li>a. <input checked="" type="checkbox"/> is attached hereto.</li> <li>b. <input type="checkbox"/> has been previously submitted under 35 U.S.C. 154(d)(4).</li> </ol> </li> <li><input checked="" type="checkbox"/> Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371(c)(3))             <ol style="list-style-type: none"> <li>a. <input type="checkbox"/> are attached hereto (required only if not communicated by the International Bureau).</li> <li>b. <input type="checkbox"/> have been communicated by the International Bureau.</li> <li>c. <input type="checkbox"/> have not been made; however, the time limit for making such amendments has NOT expired.</li> <li>d. <input checked="" type="checkbox"/> have not been made and will not be made.</li> </ol> </li> <li><input type="checkbox"/> An English language translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3)).</li> <li><input type="checkbox"/> An oath or declaration of the inventor(s) (35 U.S.C. 371(c)(4)).</li> <li><input type="checkbox"/> An English language translation of the annexes of the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371(c)(5)).</li> </ol> |  |   |
| Items 11 to 21 below concern document(s) or information included:   |  |   |
| <ol style="list-style-type: none"> <li>11. <input checked="" type="checkbox"/> An Information Disclosure Statement under 37 CFR 1.97 and 1.98.</li> <li>12. <input type="checkbox"/> An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included.</li> <li>13. <input checked="" type="checkbox"/> A <b>FIRST</b> preliminary amendment.</li> <li>14. <input type="checkbox"/> A <b>SECOND</b> or <b>SUBSEQUENT</b> preliminary amendment.</li> <li>15. <input type="checkbox"/> A substitute specification.</li> <li>16. <input type="checkbox"/> A change of power of attorney and/or address letter.</li> <li>17. <input type="checkbox"/> A computer-readable form of the sequence listing in accordance with PCT Rule 13ter.2 and 37 C.F.R. 1.821 - 1.825.</li> <li>18. <input type="checkbox"/> A second copy of the published international application under 35 U.S.C. 154(d)(4).</li> <li>19. <input type="checkbox"/> A second copy of the English language translation of the international application under 35 U.S.C. 154(d)(4).</li> <li>20. <input checked="" type="checkbox"/> Other items or information: <u>General Authorization For Petitions For Extensions of Time and Payment of Fees; Application Data Sheet; PCT/ISA/210.</u></li> </ol>  |  |   |

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| U.S. APPLICATION NO. (If known, see 37 CFR 1.5) <b>10/552727</b>  | INTERNATIONAL APPLICATION NO. <b>PCT/FI2004/000225</b> | ATTORNEY'S DOCKET NUMBER <b>034382-005</b>                      |
|   |  | <b>CALCULATIONS PTO USE ONLY</b>                                |
| 21. <input checked="" type="checkbox"/> Applicant(s) requests that the published application include the following assignment information: <u>ABB OY, Helsinki, Finland</u>   |  |   |
|   |  |   |
| 22. <input checked="" type="checkbox"/> The following fees are submitted:   |  |   |
| Basic Filing Fee (1631)   |  | \$ 300.00   |
| Surcharge of \$130.00 (1617) for furnishing the oath or declaration later than months from the earliest claimed priority date (37 CFR 1.492(e)).  |  | <input type="checkbox"/> 20 <input type="checkbox"/> 30         |
| CLAIMS  | NUMBER FILED   | NUMBER EXTRA  |
| Total Claims  | 12   | -20 = 0   |
| Independent Claims  | 2  | -3 = 0  |
| MULTIPLE DEPENDENT CLAIM(S) (if applicable)   |  | + \$360.00 (1616)   |
| Examination Fee   |  | + \$200.00 (1633)   |
| Search Fee  |  | + \$400.00 (1432)   |
| App. Size Fee (add \$250.00 for each add'l 50 sheets exceeding 100 sheets)  |  | \$ 0.00   |
| TOTAL OF ABOVE CALCULATIONS =   |  | \$ 900.00   |
| <input type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27. The fees indicated above are reduced by 1/2.  |  | + \$ 0.00   |
|   |  | SUBTOTAL = \$ 900.00  |
| Processing fee of \$130.00 (1618) for furnishing the English translation later than months from the earliest claimed priority date (37 CFR 1.492(f)).   |  | <input type="checkbox"/> 20 <input type="checkbox"/> 30 \$ 0.00 |
| TOTAL NATIONAL FEE =  |  | \$ 900.00   |
| Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40.00 (8021) per property +   |  | \$ 0.00   |
| TOTAL FEES ENCLOSED =   |  | \$ 900.00   |
|   |  | Amount to be refunded : charged :                               |
| a. <input type="checkbox"/> A check in the amount of _____ to cover the above fees is enclosed.   |  |   |
| b. <input type="checkbox"/> Please charge my Deposit Account No. <u>02-4800</u> in the amount of _____ to cover the above fees. A duplicate copy of this sheet is enclosed.   |  |   |
| c. <input checked="" type="checkbox"/> The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. <u>02-4800</u> . A duplicate copy of this sheet is enclosed. |  |   |
| d. <input checked="" type="checkbox"/> Charge <u>\$ 900.00</u> to credit card. Form PTO-2038 is attached.   |  |   |
| NOTE: Where an appropriate time limit under 37 CFR 1.494 or 1.495 has not been met, a petition to revive (37 CFR 1.137(a) or (b)) must be filed and granted to restore the application to pending status.                                       |  |   |
| SEND ALL CORRESPONDENCE TO:   |  |   |
| Burns, Doane, Swecker & Mathis, L.L.P.<br>P.O. Box 1404<br>Alexandria, Virginia 22313-1404<br>(703) 836-6620  |  |   |
| <br><b>SIGNATURE</b><br><hr/> Patrick C. Keane<br><hr/> <b>NAME</b><br><hr/>   |  |   |
| 32,858      October 11, 2005<br><hr/> REGISTRATION NO.      DATE  |  |   |

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of )  
Vesa KORHONEN et al. ) Group Art Unit:  
Application No.: ) Examiner:  
Filed: October 11, 2005 ) Confirmation No.:  
For: METHOD AND APPARATUS TO )  
CONTROL A SHIP )

**GENERAL AUTHORIZATION FOR PETITIONS  
FOR EXTENSIONS OF TIME AND PAYMENT OF FEES**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

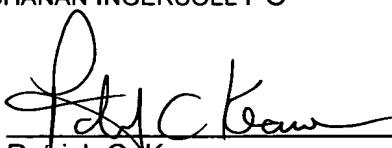
In accordance with 37 C.F.R. § 1.136(a)(3), the U.S. Patent and Trademark Office is hereby provided with a general authorization to treat any concurrent or future reply requiring a petition for an extension of time for its timely submission as containing a request therefor for the appropriate length of time.

The Commissioner is hereby authorized to charge any appropriate fees under 37 C.F.R. § 1.17 that may be required by this paper, and to credit any overpayment, to Deposit Account No. 02-4800. This paper is submitted in duplicate.

Respectfully submitted,

BUCHANAN INGERSOLL PC

Date: October 11, 2005

By:   
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Registration No. 32,858

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